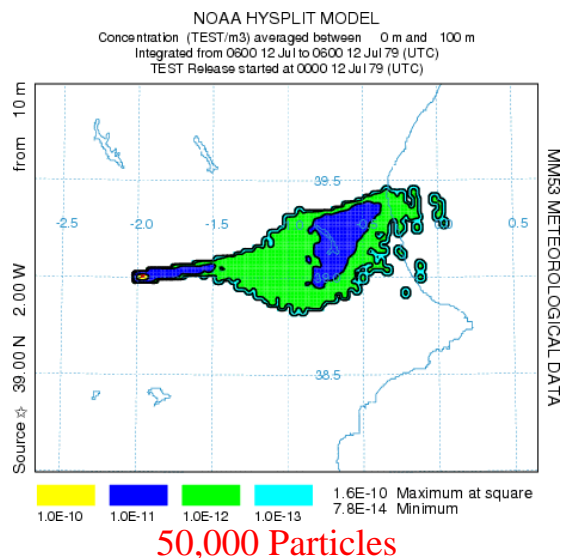
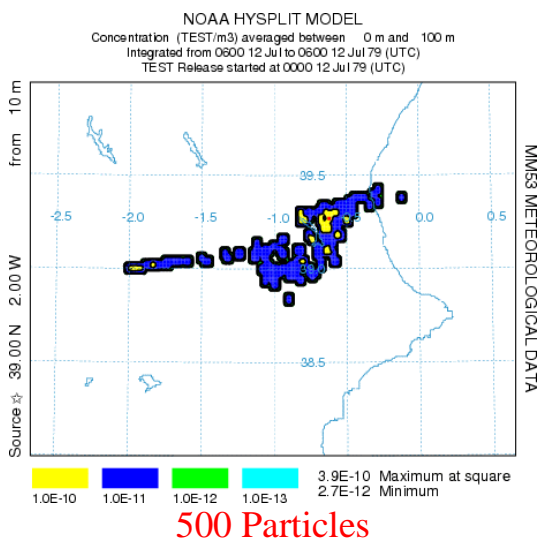


## Concentration and Particle Display Options

Set up a 3D-500 particle, 6-h snapshot [simulation](#) from 2W-39N using a 0.02 degree resolution grid and the 12-km MM5 meteorological data. The concentration output clearly shows a noisy pattern indicating too few particles. Run the simulation again with [5000 particles](#) and the [results](#) will be much smoother. However if it is run with 50,000 particles, the concentration pattern now shows more structure. These simulations can take quite some time and if the model is re-run with the much quicker default scenario of 500 top-hat puffs, [the results](#) are very similar to the 50,000 3D-particle simulation.



The display menu has options to show snapshot particle distributions, if the particle dump option was set in the advanced configuration menu. Horizontal, vertical, and cross-sections views are available. The cross-section view of the 50,000 particle run is drawn automatically based upon the particle distribution. Another option is to view the concentration values directly on the grid without any interpolation through the “[pointer select](#)” tab. This will show the entire concentration domain and normally the “span” should be adjusted to optimize the view region.

